



**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re the Application of

Hitoshi FUKUSHIMA et al.

Application No.: 09/889,097

Filed: July 11, 2001

For: INK JET PRINTER HEAD, MANUFACTURING METHOD  
THEREOF, AND POLYCYCLIC THIOL COMPOUNDS

Group Art Unit: 2861

Examiner: Anh T.N. Vo

Docket No.: 110085

#10  
RCE  
DSM 11/5-10/01  
4/28/03

**LARGE ENTITY REQUEST FOR  
CONTINUED EXAMINATION UNDER 37 C.F.R. §1.114**

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

**MATCH & RETURN**

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1C 2800 MAIL ROOM

Sir:

In accordance with the provisions of 37 C.F.R. §1.114, Applicant(s) hereby request(s) continued examination and entry and consideration of the attached submission. The above-identified application was filed on or after June 8, 1995. Thus, entry is proper under 37 C.F.R. §1.114(d).

Attached hereto is our check no. 140874 in the amount of ☒ \$750.00 as payment of the fees set forth in 37 C.F.R. §1.17(e). The Director is hereby authorized to charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 15-0461. Two duplicate copies of this page are enclosed.

Respectfully submitted,

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Date: April 2, 2003

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PRE-~~Amend~~  
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PATENT APPLICATION 4/28/03

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AMENDMENT UNDER 37 C.F.R. §1.114

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Washington, D.C. 20231

Sir:

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Further to the Request for Continued Examination attached hereto, please amend the above-identified application as follows:

IN THE CLAIMS:

Please replace claims 1-12 as follows:

1. (Amended) An inkjet head, wherein ink drops are ejected from nozzles formed in a nozzle surface, comprising:
  - a metal layer comprising metal formed on said nozzle surface; and
  - a self-organized film layer consisting essentially of a polycyclic thiol compound formed on a top of said metal layer.
2. (Amended) The inkjet head according to claim 1, wherein an intermediate layer consisting of nickel, chromium, tantalum or titanium, or an alloy thereof, is provided between a member that forms said nozzle surface and said metal layer.
3. (Twice Amended) The inkjet head according to claim 1, wherein said self-organized film layer is formed on inner walls of said nozzles.
4. (Twice Amended) The inkjet head according to claim 1, wherein said nozzles are provided in indented sections provided in said nozzle surface.